

**Unit 1: ICT in Society**  
**(40% of the qualification)**

**This unit will be graded Level 1 Pass, Level 1 Merit, Level 1 Distinction, Level 1 Distinction\*,  
Level 2 Pass, Level 2 Merit, Level 2 Distinction, Level 2 Distinction\*.**

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|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit title</b>         | ICT in Society                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Unit entry code</b>    | 5539U1                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GLH</b>                | 48                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Vocational Context</b> | Jobs in ICT exist in a variety of contexts. However, there are key areas of knowledge that any ICT specialist will be required to know. This base knowledge allows them to provide the best service and advice possible for their clients and the industries they are working in.                                                                                                                                               |
| <b>Overview of unit</b>   | This unit allows learners to explore the wide range of uses of hardware, application and specialist software in society. They will investigate how information technology is used in a range of contexts, including business and organisations, education and home use.                                                                                                                                                         |
| <b>Topics</b>             | <b>1.1</b> How IT can be used to fulfil the needs of organisations <sup>3</sup> and individuals<br><b>1.2</b> How data and information is used and transferred<br><b>1.3</b> Legal, moral, ethical, cultural and environmental impacts of IT and the need for cybersecurity                                                                                                                                                     |
| <b>Assessment</b>         | <p>This unit is externally assessed through a written examination.</p> <p><i>Duration:</i> 1 hour 20 minutes<br/><i>Number of marks:</i> 80<br/><i>Format:</i> Questions requiring objective responses, short and extended answers, based around applied situations. Learners will be required to use stimulus material to respond to questions.</p> <p>This assessment contributes 40% to the overall qualification grade.</p> |

# LEARNING JOURNEY

# ICT Award

## Unit1 – ICT in Society – 1.1

How IT can be used to fulfil the needs of organisations and individuals

This unit allows learners to explore the wide range of uses of hardware, application and specialist software in society. They will investigate how information technology is used in a range of contexts, including business and organisations, education and home use.

**TUDOR HABITS**  
You will develop computational thinking skills as you work through this unit.

### VOCABULARY

System Devices, system software, services, VR,AR, AI, Cloud computing, Authentication, Back-up, Biometrics, Bionics, Bluetooth, Communication software, Compression, Cookies, Cyberbullying, Data, Data capture, DDoS, Digital footprint, Drone, E-commerce, Encoding, Encryption, Ethernet, E-waste, Expert system, Extranet, Green IT, Hacking, Hardware, Information, Information handling software, Input device, Internet, Intranet, Key logging, Knowledge, Local Area Network (LAN), Logical protection, Malware, Near-field Communication (NFC), Open source software, Output device, Packet sniffing, Physical protection, Port, Protocol, RFID, Ransomware, Robotics, Social engineering, Social network, Spyware, Storage device, Teleworking, Topology, Trojan Horse,USB, Utility software, validation, verification Videoconference, Virtual reality, Virus, Wearable technologies, Wide Area Network (WAN), Wireless,worm

